

PATENT
Docket No. 28810/04002

UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of Breslin, et al. :
:
U.S. Serial No.: 10/625,267 :
:
Filed: July 23, 2003 :
:
For: **IMPROVED CERAMIC/METAL MATERIAL** :
AND METHOD FOR MAKING SAME :

COMMISSIONER FOR PATENTS
P.O. BOX 1450
ALEXANDRIA, VIRGINIA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

1. Pursuant to 37 C.F.R. 1.97 and 1.98, and in compliance with 37 C.F.R. 1.56, the Office's attention is directed to the patents, publications and other information listed on the attached PTO-1449. A copy of each listed document is enclosed except for: (a) pending applications or (b) those previously cited or submitted to the Office in the following application(s) upon which this application relies for an earlier filing date under 35 U.S.C. 120:

Serial No.: _____
Filing Date: _____

Regarding any document, publication or other information for which a date is not given on the attached PTO-1449, Applicant(s) believe(s) the same may qualify as "prior" art to this application and should be treated accordingly, although Applicant(s) reserve(s) the right to contest the prior art status of any document, publication or information, should issue arise.

2. Regarding each listed document that is not in the English language, an English-language translation accompanies this Statement as indicated on the attached PTO-1449 or a concise explanation of the relevance of the document is set forth in the following document(s):

- ☐ (a) Copy of English language version of a search report indicating the degree of relevance found by the foreign office of each document being submitted from the search report.
- ☐ (b) Attachment entitled "Concise Explanation of Relevance of Non-English Language Documents". (See attached International Search Report).

3. Pursuant to 37 C.F.R. 1.97(b) this Statement is being filed:

- ☐ (a) Within 3 months of the filing date or date of entry into the National Stage.

☒ (b) Before the mailing date of a first Office Action on the merits. If this Statement is not filed before the mailing date of a first Office Action on the merits, the required certification is given below or, in the absence thereof, the Office is authorized to charge the required fee set forth in 37 C.F.R. 1.17(p) to Deposit Account No. **03-0172** for consideration of this Statement.

☐ (c) After the period set forth in 37 C.F.R. 1.97(b) but before the mailing date of either a final action or a notice of allowance.

☐ (1) The required certification is given below, or

☐ (2) Charge the fee set forth in 37 C.F.R. 1.17(p) to Deposit Account No. **03-0172**.

☐ (d) After the mailing date of either a final action or a notice of allowance, but before payment of the issue fee. Petition hereby is made for consideration of this Statement and the required certification is indicated below.

☐ (1) Charge the fee set forth in 37 C.F.R. 1.17(i)(1) to Deposit Account No. **03-0172**.

4. Certification (if applicable)

☐ (a) The undersigned hereby certifies that each item of information contained in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than 3 months prior to the filing of this Statement.

☐ (b) The undersigned hereby certifies that no item of information contained in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the undersigned's knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. 1.56(c) more than 3 months prior to the filing of this Statement.

5. The Commissioner is hereby authorized to charge any additional fees or credit any overpayment to Deposit Account No. **03-0172**.

Respectfully submitted,



Warren M. Haines II (Reg. No. 40,632)
Attorney for Applicants
Customer No. 24024

Certificate of Mailing

I hereby certify that this *SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT* is being deposited on this, the 21st day of January, 2004, with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

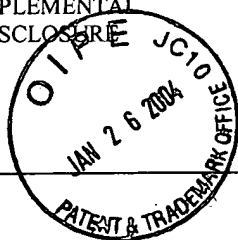
Joyce Ford
Print Name Of Person Signing This Certificate

Joyce Ford
SIGNATURE

Subst. Form PTO-1449

Atty. Docket No.: 28810/04002

Serial No 10/625,267

 APPLICANT'S SUPPLEMENTAL
 INFORMATION DISCLOSURE
 STATEMENT


Applicant: Breslin et al.

Filing Date: July 23, 2003

Group: Unknown

U.S. PATENT DOCUMENTS

Initial*		Document No.	Date	Name	Class	Subcl.	Filing Date
	AA	6,378,755 B1	04-30-2002	Grylls et al.			11-08-2000
	AB	5,531,260	07-02-1996	Burke			12-29-1994
	AC	5,526,914	06-18-1996	Dwivedi et al.			04-12-1994
	AD	4,713,360	12-15-1987	Newkirk et al.			01-15-1986
	AE	6,024,259	02-15-2000	Gardner et al.			04-09-1997
	AF	5,700,422	12-23-1997	Usui et al.			04-10-1996
	AG	5,333,670	08-02-1994	Brandy et al.			04-07-1993
	AH	5,458,480	10-17-1995	Newkirk et al.			12-05-1991
	AI	2,702,750	02-22-1955	George			08-06-1947
	AJ	5,214,011	05-25-1993	Breslin			08-30-1991
	AK	5,728,638	03-17-1998	Strange et al.			08-21-1996
	AL	4,940,679	07-10-1990	Claar et al.			12-23-1987
	AM						
	AN						
	AO						
	AP						
	AQ						

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subcl.	Translation?
	AR						
	AS						

OTHER PRIOR ART

	AT	Dhandapani, S. P. et al., GROWTH AND MICROSTRUCTURE OF $Al_2O_3-SiC-Si(Al)$ COMPOSITES PREPARED BY REACTIVE INFILTRATION OF SILICON CARBIDE PREFORMS, ACTA Metallurgica Et Materialia; vol.42, no. 3 pp. 649-656 (March 1994)
	AU	Kolman D. G., Butt, D.P., CORROSION BEHAVIOR OF A NOVEL $SiC/Al_2O_3/Al$ COMPOSITE EXPOSED TO CHLORIDE ENVIRONMENTS, <i>J. of ElectroChemical Soc'y</i> vol. 144, no. 11, pp 3785-91 (Nov. 19, 1997).
	AV	MARS G. FONTANA, CORROSION ENGINEERING, 407-11 (McGraw-Hill Book Co., 3d ed. 1986).

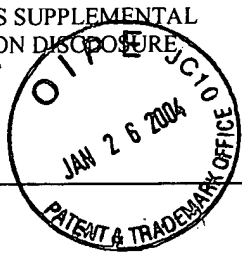
Examiner:

Date Considered:

*EXAMINER: Initial if reference considered, whether or not citation is in conformation with MPEP 609; draw line through citation if in conformance and not considered. Include copy of this form with next communication to applicant.

{JF3427;1}

Subst. Form PTO-1449

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	AP						
	AQ						

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		Document No.	Date	Country	Class	Subcl.	Translation?
	AR						
	AS						

OTHER PRIOR ART

AT	Bandini, C., et al. PROCESSING OF CO-CONTINUOUS CERAMIC COMPOSITES BY REACTIVE PENETRATION METHOD: INFLUENCE OF COMPOSITION OF CERAMIC PREFORMS AND INFILTRATING ALLOYS, <i>Int. J. of Materials & Product Technology</i> , Vol. 17, Nos. 3-4, pp 182-204 (2002)
AU	Park, Hong Sik, and Kim Do Kyung, EFFECT OF SILICA SURFACE DOPANTS ON THE FORMATION OF ALUMINA/ALUMINUM COMPOSITES BY THE DIRECTED METAL OXIDATION OF AN ALUMINUM ALLOY, <i>J. Am. Ceram. Soc.</i> 84 [11] pp 2526-30 (2001).

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